



Water-Data Report 2007

12464800 COAL CREEK AT MOHLER, WA

Upper Columbia Basin
Upper Crab Subbasin

LOCATION.--Lat 47°24'25", long 118°19'04" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.7, T.22 N., R.36 E., Lincoln County, WA, Hydrologic Unit 17020013, on left bank 25 ft upstream from bridge on county road, 0.3 mi east of Mohler, and 15 mi upstream from mouth.

DRAINAGE AREA.--64.7 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1963 to September 1974, October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,000 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No known regulation. Some diversion for irrigation above station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--16 years (water years 1964-74, 2003-07), 3.92 ft³/s, 2,840 acre-ft yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 755 ft³/s, Feb. 11, 2007, gage height, 3.86 ft; no flow for long periods most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 3, 1963, reached a stage of 4.42 ft, discharge, 1,060 ft³/s, computed by slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 755 ft³/s, Feb. 11, gage height, 3.86 ft; minimum discharge, 0.08 ft³/s, Aug. 16.

Water-Data Report 2007

12464800 COAL CREEK AT MOHLER, WA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.27	0.50	e0.70	1.6	1.4	15	5.4	2.6	1.0	0.53	0.22	0.14
2	0.26	0.54	e0.76	1.8	1.3	11	5.1	2.6	1.0	0.51	0.21	0.16
3	0.26	0.51	e0.76	11	1.3	10	4.9	2.6	0.95	0.50	0.19	0.16
4	0.25	0.49	e0.72	e8.0	1.3	10	4.6	2.6	0.90	0.51	0.20	0.16
5	0.26	0.50	e0.70	e6.0	4.0	24	4.4	2.5	1.1	0.47	0.19	0.15
6	0.26	0.60	e0.70	3.2	47	36	4.3	2.2	1.2	0.46	0.19	0.14
7	0.26	0.60	e0.73	2.8	79	25	4.2	2.0	1.1	0.46	0.17	0.14
8	0.26	0.54	e0.80	2.4	64	19	4.0	2.0	1.2	0.47	0.17	0.15
9	0.28	0.58	e0.84	2.3	84	15	4.0	1.9	1.1	0.52	0.15	0.16
10	0.29	0.60	0.88	2.3	79	13	3.8	1.9	1.1	0.52	0.14	0.17
11	0.30	0.60	0.93	e2.0	305	13	3.9	1.8	1.1	0.49	0.14	0.17
12	0.30	0.60	1.1	e1.8	114	12	3.9	1.6	1.1	0.49	0.13	0.15
13	0.29	0.78	1.3	e1.7	31	11	3.8	1.5	1.1	0.52	0.12	0.15
14	0.30	0.69	1.3	e1.3	22	9.5	3.9	1.5	1.1	0.53	0.11	0.16
15	0.31	0.68	1.3	e1.4	43	8.4	4.3	1.7	1.1	0.54	0.11	0.18
16	0.38	0.70	1.2	e1.6	43	8.3	4.4	1.6	0.99	0.52	0.11	0.19
17	0.38	0.68	1.2	e1.7	23	7.9	4.3	1.5	0.90	0.45	0.10	0.20
18	0.35	0.66	e1.0	1.8	19	7.5	4.1	1.4	0.88	0.40	0.11	0.20
19	0.37	0.72	e1.2	1.6	15	7.0	4.2	1.3	0.85	0.43	0.15	0.21
20	0.36	0.78	1.2	1.4	14	7.4	3.9	1.3	0.79	0.41	0.19	0.19
21	0.36	0.77	1.2	1.5	12	7.7	3.9	1.6	0.82	0.41	0.20	0.20
22	0.38	0.80	1.2	1.6	11	7.0	3.9	1.7	0.83	0.41	0.20	0.21
23	0.43	0.82	1.1	1.5	11	6.8	3.9	1.6	0.73	0.38	0.21	0.21
24	0.43	0.85	1.1	1.6	10	6.9	3.7	1.5	0.71	0.33	0.21	0.21
25	0.45	0.85	1.2	1.6	11	7.6	3.4	1.5	0.71	0.34	0.19	0.22
26	0.44	0.88	e7.0	1.5	15	6.8	3.2	1.4	0.70	0.33	0.19	0.23
27	0.43	0.95	e10	1.5	16	6.7	3.0	1.4	0.71	0.31	0.19	0.23
28	0.44	e0.86	e5.0	1.5	16	7.0	2.9	1.5	0.68	0.30	0.17	0.22
29	0.44	e0.60	e3.0	1.5	---	6.1	2.7	1.4	0.59	0.29	0.17	0.26
30	0.48	e0.70	1.8	1.4	---	5.9	2.6	1.1	0.56	0.25	0.17	0.27
31	0.49	---	1.7	1.4	---	5.6	---	1.1	---	0.23	0.15	---
Total	10.76	20.43	53.62	74.3	1,093.3	344.1	118.6	53.9	27.60	13.31	5.15	5.59
Mean	0.35	0.68	1.73	2.40	39.0	11.1	3.95	1.74	0.92	0.43	0.17	0.19
Max	0.49	0.95	10	11	305	36	5.4	2.6	1.2	0.54	0.22	0.27
Min	0.25	0.49	0.70	1.3	1.3	5.6	2.6	1.1	0.56	0.23	0.10	0.14
Ac-ft	21	41	106	147	2,170	683	235	107	55	26	10	11
Cfsm	0.01	0.01	0.03	0.04	0.60	0.17	0.06	0.03	0.01	0.01	0.00	0.00
In.	0.01	0.01	0.03	0.04	0.63	0.20	0.07	0.03	0.02	0.01	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.15	0.30	2.02	11.1	12.7	13.7	4.77	1.71	0.63	0.20	0.07	0.09
Max	0.35	0.72	16.1	46.3	42.0	102	14.8	3.71	1.64	0.59	0.32	0.34
(WY)	(2007)	(2006)	(1974)	(1971)	(1970)	(1969)	(1969)	(1969)	(2006)	(2006)	(2004)	(2004)
Min	0.00	0.03	0.19	0.00	1.16	2.06	1.15	0.42	0.08	0.00	0.00	0.00
(WY)	(1964)	(1964)	(1964)	(1969)	(1964)	(2005)	(1973)	(1973)	(1963)	(1963)	(1963)	(1963)

12464800 COAL CREEK AT MOHLER, WA—Continued**SUMMARY STATISTICS**

	Calendar Year 2006	Water Year 2007	Water Years 1963 - 2007	
Annual total	1,397.33	1,820.66		
Annual mean	3.83	4.99	3.92	
Highest annual mean			10.9	1969
Lowest annual mean			0.93	1964
Highest daily mean	25	Jan 14	305	Feb 11
Lowest daily mean	0.02	Aug 29	0.10	Aug 17
Annual seven-day minimum	0.03	Aug 24	0.11	Aug 12
Annual runoff (ac-ft)	2,770		3,610	2,840
Annual runoff (cfsm)	0.059		0.077	0.061
Annual runoff (inches)	0.80		1.05	0.82
10 percent exceeds	10		10	8.0
50 percent exceeds	1.3		1.0	0.49
90 percent exceeds	0.15		0.19	0.01

